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/SUMMARY/

ELIMINATION OF THE LAG IN CONSTRUCTION OF ELECTRIC POWER PLANTS

In 1946 and 1947, USSR production surpassed norms set by the new Five-Year Plan. The plan for the development of electrical power reached 101 percent but that of power exploitation was not fully completed. For example, the electro-stations of Igumen, Sungaiteik, Bryansk, and White Russia were not fully ex-ploited. These sections completed only 95 percent of their task.

The basic reasons behind these shortcomings were the improper organization of projects and improper use of workers' cadres and construction equipment. More than 30 percent of the workers did not fulfill their norms in the past year. Enforcement of discipline and elimination of the passive outlook toward exploitation of new power facilities must be stressed. No project should be attempted without complete plans and organization of the work and then, no deviations from these plans should be tolerated.

In the past year only 45 percent of the available construction equipment such as excavators, concrete mixers, stone crushers, etc., was exploited. Old methods should not be used when new and superior ones are available. The equipment should be divided among the individual construction units to improve the work, and should be circulated between them to gain the greatest advantage. It is still rare if 100 percent mechanization is attained even in such operations as the preparation and delivery of concrete. There is great need for initiative in workers and supervisors.

In 1948, special attention must be paid to completion of earthwork for thermoelectric plants. Blasting and hydromechanical means should be given particular attention. The latter method was used at Stalingorsk for small projects such as excavating trench foundations for a turbo plant, and it has proven adaptable and even more effective in construction of thermoelectric stations.

The problem of subsurface water has been solved by such means as freezing and lowering the water level in the specific area. Block reinforcements have been used in assembly of foundations, reinforced-concrete structures, etc.

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A series of boilers and turbo plants were assembled and exploited in 1947. This work was speeded up by the use of new methods such as rolling processes and welded tubes of steel alloy.

The use of the block method in assembly can speed up construction, if over 70 percent of the work is done in this manner. It was not used sufficiently in the assembly of turbines and boilers, resulting in delay of the program. However, because of undue concentration on the new technology, quality of work was disregarded, and this has resulted in a number of breakdowns and minor defects.

Graded pay scales should be used for disciplinary and incentive purposes for temporary workers. Special care should be provided for the cadres which move from place to place, by providing them with proper quarters and other provisions as added incentives to retain them in their trade.

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